

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 08/670,119A  
Source: FW/6  
Date Processed by STIC: 9/19/06

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IFW16

## RAW SEQUENCE LISTING

DATE: 09/19/2006

PATENT APPLICATION: US/08/670,119A

TIME: 13:04:28

Input Set : A:\061567-5002 Sequence Listing.txt

Output Set: N:\CRF4\09192006\H670119A.raw

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3 <110> APPLICANT: NG, Gordan YK
4     SEEMAN, Philip
5     GEORGE, Susan R
6     O'DOWD, Brian F
8 <120> TITLE OF INVENTION: PEPTIDE ANTAGONISTS OF THE ALPHA-1A ADRENERGIC RECEPTOR
10 <130> FILE REFERENCE: 061567-5002
12 <140> CURRENT APPLICATION NUMBER: US 08/670,119A
13 <141> CURRENT FILING DATE: 1996-06-25
15 <150> PRIOR APPLICATION NUMBER: US 60/014,306
16 <151> PRIOR FILING DATE: 1996-03-27
18 <160> NUMBER OF SEQ ID NOS: 70
20 <170> SOFTWARE: PatentIn version 3.3
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23 <211> LENGTH: 23
24 <212> TYPE: PRT
25 <213> ORGANISM: Homo sapiens
27 <400> SEQUENCE: 1
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30 1           5           10           15
33 Leu Val Cys Met Ala Val Ser
34           20
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38 <211> LENGTH: 26
39 <212> TYPE: PRT
40 <213> ORGANISM: Homo sapiens
42 <400> SEQUENCE: 2
44 Leu Ile Val Ser Leu Ala Val Ala Asp Leu Leu Val Ala Thr Leu Val
45 1           5           10           15
48 Met Pro Trp Val Val Tyr Leu Glu Val Val
49           20           25
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53 <211> LENGTH: 22
54 <212> TYPE: PRT
55 <213> ORGANISM: Homo sapiens
57 <400> SEQUENCE: 3
59 Ile Phe Val Thr Leu Asp Val Met Met Cys Thr Ala Ser Ile Leu Asn
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63 Leu Cys Ala Ile Ser Ile
64           20
67 <210> SEQ ID NO: 4
68 <211> LENGTH: 23
69 <212> TYPE: PRT
70 <213> ORGANISM: Homo sapiens

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72 <400> SEQUENCE: 4
74 Val Thr Val Met Ile Ser Ile Val Trp Val Leu Ser Phe Thr Ile Ser
75 1          5          10          15
78 Cys Pro Leu Leu Phe Gly Leu
79          20
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83 <211> LENGTH: 24
84 <212> TYPE: PRT
85 <213> ORGANISM: Homo sapiens
87 <400> SEQUENCE: 5
89 Pro Ala Phe Val Val Tyr Ser Ser Ile Val Ser Phe Tyr Val Pro Phe
90 1          5          10          15
93 Ile Val Thr Leu Leu Val Tyr Ile
94          20
97 <210> SEQ ID NO: 6
98 <211> LENGTH: 24
99 <212> TYPE: PRT
100 <213> ORGANISM: Homo sapiens
102 <400> SEQUENCE: 6
104 Met Leu Ala Ile Val Leu Gly Val Phe Ile Ile Cys Trp Leu Pro Phe
105 1          5          10          15
108 Phe Ile Thr His Ile Leu Asn Ile
109          20
112 <210> SEQ ID NO: 7
113 <211> LENGTH: 24
114 <212> TYPE: PRT
115 <213> ORGANISM: Homo sapiens
117 <400> SEQUENCE: 7
119 Val Leu Tyr Ser Ala Phe Thr Trp Leu Gly Tyr Val Asn Ser Ala Val
120 1          5          10          15
123 Asn Pro Ile Ile Tyr Thr Thr Phe
124          20
127 <210> SEQ ID NO: 8
128 <211> LENGTH: 443
129 <212> TYPE: PRT
130 <213> ORGANISM: Homo sapiens
132 <400> SEQUENCE: 8
134 Met Asp Pro Leu Asn Leu Ser Trp Tyr Asp Asp Asp Leu Glu Arg Gln
135 1          5          10          15
138 Asn Trp Ser Arg Pro Phe Asn Gly Ser Asp Gly Lys Ala Asp Arg Pro
139          20          25          30
142 His Tyr Asn Tyr Tyr Ala Thr Leu Leu Thr Leu Leu Ile Ala Val Ile
143          35          40          45
146 Val Phe Gly Asn Val Leu Val Cys Met Ala Val Ser Arg Glu Lys Ala
147          50          55          60
150 Leu Gln Thr Thr Thr Asn Tyr Leu Ile Val Ser Leu Ala Val Ala Asp
151 65          70          75          80
154 Leu Leu Val Ala Thr Leu Val Met Pro Trp Val Val Tyr Leu Glu Val
155          85          90          95

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158 Val Gly Glu Trp Lys Phe Ser Arg Ile His Cys Asp Ile Phe Val Thr
159           100           105           110
162 Leu Asp Val Met Met Cys Thr Ala Ser Ile Leu Asn Leu Cys Ala Ile
163           115           120           125
166 Ser Ile Asp Arg Tyr Thr Ala Val Ala Met Pro Met Leu Tyr Asn Thr
167           130           135           140
170 Arg Tyr Ser Ser Lys Arg Arg Val Thr Val Met Ile Ser Ile Val Trp
171 145           150           155           160
174 Val Leu Ser Phe Thr Ile Ser Cys Pro Leu Leu Phe Gly Leu Asn Asn
175           165           170           175
178 Ala Asp Gln Asn Glu Cys Ile Ile Ala Asn Pro Ala Phe Val Val Tyr
179           180           185           190
182 Ser Ser Ile Val Ser Phe Tyr Val Pro Phe Ile Val Thr Leu Leu Val
183           195           200           205
186 Tyr Ile Lys Ile Tyr Ile Val Leu Arg Arg Arg Arg Lys Arg Val Asn
187           210           215           220
190 Thr Lys Arg Ser Ser Arg Ala Phe Arg Ala His Leu Arg Ala Pro Leu
191 225           230           235           240
194 Lys Gly Asn Cys Thr His Pro Glu Asp Met Lys Leu Cys Thr Val Ile
195           245           250           255
198 Met Lys Ser Asn Gly Ser Phe Pro Val Asn Arg Arg Arg Val Glu Ala
199           260           265           270
202 Ala Arg Arg Ala Gln Glu Leu Glu Met Glu Met Leu Ser Ser Thr Ser
203           275           280           285
206 Pro Pro Glu Arg Thr Arg Tyr Ser Pro Ile Pro Pro Ser His His Gln
207           290           295           300
210 Leu Thr Leu Pro Asp Pro Ser His His Gly Leu His Ser Thr Pro Asp
211 305           310           315           320
214 Ser Pro Ala Lys Pro Glu Lys Asn Gly His Ala Lys Asp His Pro Lys
215           325           330           335
218 Ile Ala Lys Ile Phe Glu Ile Gln Thr Met Pro Asn Gly Lys Thr Arg
219           340           345           350
222 Thr Ser Leu Lys Thr Met Ser Arg Arg Lys Leu Ser Gln Gln Lys Glu
223           355           360           365
226 Lys Lys Ala Thr Gln Met Leu Ala Ile Val Leu Gly Val Phe Ile Ile
227           370           375           380
230 Cys Trp Leu Pro Phe Phe Ile Thr His Ile Leu Asn Ile His Cys Asp
231 385           390           395           400
234 Cys Asn Ile Pro Pro Val Leu Tyr Ser Ala Phe Thr Trp Leu Gly Tyr
235           405           410           415
238 Val Asn Ser Ala Val Asn Pro Ile Ile Tyr Thr Thr Phe Asn Ile Glu
239           420           425           430
242 Phe Arg Lys Ala Phe Leu Lys Ile Leu His Cys
243           435           440
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247 <211> LENGTH: 25
248 <212> TYPE: PRT
249 <213> ORGANISM: Homo sapiens
251 <400> SEQUENCE: 9

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253 Ile Leu Thr Ala Cys Phe Leu Ser Leu Leu Ile Leu Ser Thr Leu Leu
254 1          5          10          15
257 Gly Asn Thr Leu Val Cys Ala Ala Val
258          20          25
261 <210> SEQ ID NO: 10
262 <211> LENGTH: 27
263 <212> TYPE: PRT
264 <213> ORGANISM: Homo sapiens
266 <400> SEQUENCE: 10
268 Phe Phe Val Ile Ser Leu Ala Val Ser Asp Leu Leu Val Ala Val Leu
269 1          5          10          15
272 Val Met Pro Trp Lys Ala Val Ala Glu Ile Ala
273          20          25
276 <210> SEQ ID NO: 11
277 <211> LENGTH: 24
278 <212> TYPE: PRT
279 <213> ORGANISM: Homo sapiens
281 <400> SEQUENCE: 11
283 Asn Ile Trp Val Ala Phe Asp Ile Met Cys Ser Thr Ala Ser Ile Leu
284 1          5          10          15
287 Asn Leu Cys Val Ile Ser Val Asp
288          20
291 <210> SEQ ID NO: 12
292 <211> LENGTH: 25
293 <212> TYPE: PRT
294 <213> ORGANISM: Homo sapiens
296 <400> SEQUENCE: 12
298 Ala Ala Phe Ile Leu Ile Ser Val Ala Trp Thr Leu Ser Val Leu Ile
299 1          5          10          15
302 Ser Phe Ile Pro Val Gln Leu Ser Trp
303          20          25
306 <210> SEQ ID NO: 13
307 <211> LENGTH: 25
308 <212> TYPE: PRT
309 <213> ORGANISM: Homo sapiens
311 <400> SEQUENCE: 13
313 Thr Tyr Ala Ile Ser Ser Ser Val Ile Ser Phe Tyr Ile Pro Val Ala
314 1          5          10          15
317 Ile Met Ile Val Thr Tyr Thr Arg Ile
318          20          25
321 <210> SEQ ID NO: 14
322 <211> LENGTH: 26
323 <212> TYPE: PRT
324 <213> ORGANISM: Homo sapiens
326 <400> SEQUENCE: 14
328 Thr Leu Ser Val Ile Met Gly Val Phe Val Cys Cys Trp Leu Pro Phe
329 1          5          10          15
332 Phe Ile Leu Asn Cys Ile Leu Pro Phe Cys
333          20          25

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Input Set : A:\061567-5002 Sequence Listing.txt

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336 <210> SEQ ID NO: 15
337 <211> LENGTH: 24
338 <212> TYPE: PRT
339 <213> ORGANISM: Homo sapiens
341 <400> SEQUENCE: 15
343 Phe Asp Val Phe Val Trp Phe Gly Trp Ala Asn Ser Ser Leu Asn Pro
344 1          5          10          15
347 Ile Ile Tyr Ala Phe Asn Ala Asp
348          20
351 <210> SEQ ID NO: 16
352 <211> LENGTH: 24
353 <212> TYPE: PRT
354 <213> ORGANISM: Homo sapiens
356 <400> SEQUENCE: 16
358 Gly Met Gly Leu Leu Met Ala Leu Ile Val Leu Leu Ile Val Ala Gly
359 1          5          10          15
362 Asn Val Leu Val Ile Val Ala Ile
363          20
366 <210> SEQ ID NO: 17
367 <211> LENGTH: 24
368 <212> TYPE: PRT
369 <213> ORGANISM: Homo sapiens
371 <400> SEQUENCE: 17
373 Ile Met Ser Leu Ala Ser Ala Asp Leu Val Met Gly Leu Leu Val Val
374 1          5          10          15
377 Pro Phe Gly Ala Thr Ile Val Val
378          20
381 <210> SEQ ID NO: 18
382 <211> LENGTH: 24
383 <212> TYPE: PRT
384 <213> ORGANISM: Homo sapiens
386 <400> SEQUENCE: 18
388 Glu Leu Trp Thr Ser Val Asp Val Leu Cys Val Thr Ala Ser Ile Glu
389 1          5          10          15
392 Thr Leu Cys Val Ile Ala Leu Asp
393          20
396 <210> SEQ ID NO: 19
397 <211> LENGTH: 24
398 <212> TYPE: PRT
399 <213> ORGANISM: Homo sapiens
401 <400> SEQUENCE: 19
403 Arg Gly Leu Val Cys Thr Val Trp Ala Ile Ser Ala Leu Val Ser Phe
404 1          5          10          15
407 Leu Pro Ile Leu Met His Trp Trp
408          20
411 <210> SEQ ID NO: 20
412 <211> LENGTH: 24
413 <212> TYPE: PRT
414 <213> ORGANISM: Homo sapiens

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**VERIFICATION SUMMARY**

DATE: 09/19/2006

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